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February 19, 2004

WRITER'S DIRECT NUMBER: (202) 772-8831 INTERNET ADDRESS: JWEAVER@SKGF.COM

Art Unit 2826

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/783,034; Filed: February 15, 2001

For: Die-Down Ball Grid Array Package with Die-Attached Heat Spreader and Method for Making the Same

Inventors:

KHAN et al.

Our Ref:

1875.0210000

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fee Transmittal Form PTO/SB/17;
- 2. Sixth Supplemental Information Disclosure Statement;
- 3. Form PTO-1449 citing document (1 sheet);
- 4. Copy of document cited on Form PTO-1449;
- 5. One (1) return postcard; and
- 6. Credit Card Payment Form PTO-2038 for \$180.00 to cover fee.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents February 19 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

My & W.

Jeffrey S. Weaver

Attorney for Applicants Registration No. 45,608

RES/JSW/asl Enclosures

231668v1

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

SUBMITTED BY

Name (Print/Type)

Jeffrev S. Weaver

Complete if Known				
Application Number	09/783,034	_		
Filing Date	February 15, 2001			
First Named Inventor	Reza-Ur Rahman Khan			
Examiner Name	Andujar, L.			
Art Unit	2826			
Attorney Docket No.	1875.0210000			

(Complete (if applicable))

(202) 371-2600

Telephone

45.608

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)						
Check X Credit card Money X Other** None	3. ADDITIONAL FEES						
**Charge any deficiencies or credit any overpayments in	Order Order						
Deposit Account: the fees to Deposit Acci. No. 19-0036.				Fee	Fee Description		
Deposit Account 19-0036		(\$) 130	2051	(\$) 65	Surcharge - late filing fee or oath	Fee Paid	
Number Deposit	1051 1052	50	2052		Surcharge - late provisional filing fee or	\vdash	
Account Name Sterne Kessler, Goldstein & Fox P.L.L.C.	1032	30	2032	25	cover sheet		
The Director is authorized to: (check all that apply)	1053	130	1053		Non-English specification	<u> </u>	
Charge fee(s) indicated below Credit any overpayments	1812		1812	-	For filing a request for ex parte reexamination		
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after		
to the above-identified deposit account.			2254		Examiner action	-	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month		
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month		
Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid	1253	950	2253				
Code (\$) Code (\$)	1254	.	2254	740	Extension for reply within fourth month		
1001 770 2001 385 Utility filing fee	1255		ł	1,005	Extension for reply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401		Notice of Appeal		
1003 530 2003 265 Plant filing fee	1402	330	2402		•		
1004 770 2004 385 Reissue filing fee	1403	290	2403		,		
1005 160 2005 80 Provisional filing fee	1451	•		1,510	• • • • • • • • • • • • • • • • • • • •		
SUBTOTAL (1) (\$) 0	1452	110	2452	55	Petition to revive - unavoidable		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453		2453		Petition to revive - unintentional		
Fee from	1501	.,	2501	665	Utility issue fee (or reissue)		
Extra Claims below Fee Paid Total Claims 20 **= X =	11	480	2502	240			
Independent 20	1503	640	2503	320		 	
Claims -3 -	1460	130	1460	130			
Large Entity Small Entity	1807	50	1807	50		180.00	
Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt Recording each patent assignment per	180,00	
Code (\$) Code (\$)	8021	40	8021	40	property (times number of properties)		
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection		
	4040	770	2042	205	(37 CFR 1.129(a))		
	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))		
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application		
SUBTOTAL (2) (\$) 0	Other	Other fee (specify)					
**or number previously paid, if greater; For Reissues, see above	*Redu	ced by	Basic	Filing F	ree Paid SUBTOTAL (3)	180.00	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Registration No.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

KHAN et al.

Appl. No.: 09/783,034

Filed: February 15, 2001

For: Die-Down Ball Grid Array

Package with Die-Attached Heat Spreader and Method for Making

the Same

Confirmation No.: 5713

Art Unit: 2826

Examiner: Andujar, L.

Atty. Docket: 1875.0210000

Sixth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

02/24/2004 MAHMED1

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Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this
 Information Disclosure Statement was cited in a communication from a foreign
 patent office in a counterpart application and this communication was not
 received by any individual designated in 37 C.F.R.
 § 1.56(c) more than thirty
 days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart

foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. Attached is our PTO-2038 Credit Card Payment Form in the amount of in payment of the fee under 37 C.F.R. § 1.17(p).
- - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

⊠ b	. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of
	information in this Information Disclosure Statement was cited in a
	communication from a foreign patent office in a counterpart foreign
	application and, to my knowledge after making reasonable inquiry, was
	known to any individual designated in 37 C.F.R. § 1.56(c) more than
	three months prior to the filing of this Information Disclosure Statement.
	37 C.F.R. § 1.97(e)(2).

- 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- 7. Copies of the documents are submitted herewith.
- 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No.______, filed ______, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO 1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey S. Weaver Attorney for Applicants Registration No. 45,608

Date: February 19, 2004

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FEB 1 9 2004 55 FORM PTO-1449			ATTY. DOCKET NO. 1875.0210000		Page 1 of 1 APPLICATION NO. 09/783,034		
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FORM PTO-1449 THE PARTIES OF THE PA			FILING DATE February 15, 2001		2826		
			U.S. PA	ATENT DOCUMENTS	I ·		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AB1	5,409,865	04/25/1995	Karnezos			02/25/1994
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
INTIAL	AL1	NOMBER	DATE	COONTIN	02.00	000 00 100	Yes
	AM1						Yes No
	AN1						Yes No
	AO1				-		Yes No
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EXAMINER: II	nitial if refer	ence considered, w	hether or not citation	is in conformance with MPEP 6	09. Draw line	through citation if no	ot in conformance
and not consid	ered. Inclu	de copy of this form	with next communic	ation to Applicant.			